In the Claims

Please replace all prior versions of claims in the application with the following claims.

1. (Currently amended) Therapeutic aerosol device with

a) a nebuliser device

aa. an aerosol generator to which a gaseous medium~~, in particular air and preferably compressed air~~ for the generation of a main aerosol flow may be supplied from a supply device, ~~preferably a compressed air supply device,~~ and

bb. a pressure connection device to supply pressure fluctuations which are superimposed on the aerosol main flow,

b) a nosepiece to supply the aerosol into one of the two alae of the nose of a user connected to the nebuliser device, and

c) a flow resistance device at the other of the two alae of the user's nose.

2. (Previously presented) Therapeutic aerosol device according to claim 1, wherein the supply device is a compressed air supply device and the aerosol generator is a nebuliser nozzle with a compressed air channel opening into a nozzle opening, and with at least one suction channel through which a liquid to be nebulised is drawn in.

3. (Previously presented) Therapeutic aerosol device according to claim 1, wherein the nosepiece is embodied at one end for attachment to a connecting piece in the nebuliser device and at the other end for introduction into one nostril and the tight sealing of one of a user's nostrils.

4. (Currently amended) Therapeutic aerosol device according to claim 3, wherein the end of the nosepiece embodied for introduction into one nostril is embodied in the form of a truncated cone~~, preferably with an aperture angle α in a range of from 10° to 40°~~.

5. (Previously presented) Therapeutic aerosol device according to claim 4, wherein the truncated cone shaped end of the nosepiece has a longitudinal axis, which is inclined relative to the longitudinal axis of the connecting piece of the nebuliser device.

6. (Previously presented) Therapeutic aerosol device according to claim 5, wherein the angle between the longitudinal axes of the truncated cone shaped end and of the connecting piece is in the range of from 30° to 75°.

7. (Previously presented) Therapeutic aerosol device according to claim 3, wherein the end embodied for introduction into one nostril of the nosepiece is embodied with a balloon device that may be inflated by the supply of compressed air in order to ensure a reliable and tight fit of the nosepiece in one of a patient's nostrils.

8. (Currently amended) Therapeutic aerosol device according to claim 1, wherein the flow resistance device is embodied for introduction into the other of the ~~use's~~ user's nostrils.

9. (Previously presented) Therapeutic aerosol device according to claim 1, wherein the flow resistance device comprises an opening smaller than the user's nostril.

10. (Previously presented) Therapeutic aerosol device according to claim 1, wherein the flow resistance device comprises a filter device.

11. (Previously presented) Therapeutic aerosol device according to claim 1, wherein the flow resistance device ~~(11)~~ is connected to the nosepiece by a connecting element.

12. (Previously presented) Therapeutic aerosol device according to claim 11, wherein the flow resistance device is embodied in one piece with the nosepiece.

13. (Previously presented) Therapeutic aerosol device according to claim 1, wherein the flow resistance device is a stopper in particular a stopper with a hollow space.

14. (Currently amended) Therapeutic aerosol device according to claim 13, wherein the stopper is embodied in the form of a truncated cone~~, preferably with an aperture angle α in a range of from 10° to 40°~~.

15. (Previously presented) Therapeutic aerosol device according to claim 13, wherein the stopper is embodied in a bell shape with a first area with a large diameter and a second diameter with a small diameter.

16. (Previously presented) Therapeutic aerosol device according to claim 1, wherein the nebuliser device comprises an air inlet flue and the pressure connection device is intended to supply pressure fluctuations at the air inlet flue.

17. (Previously presented) Therapeutic aerosol device according to claim 16, wherein the pressure connection device comprises a meander-shaped guide for the compressed air.

18. (Previously presented) Therapeutic aerosol device according to claim 1, wherein compressed air is supplied through the pressure connection device.

19. (Currently amended) Therapeutic aerosol device according to claim 1, wherein the frequency of the pressure fluctuations lies within the range from 10 to 100 Hz~~, preferably in the range from 15 to 55 Hz~~.

20. (Previously presented) Therapeutic aerosol device according to claim 1, wherein the pressure fluctuations are generated by means of a membrane compressor comprising a membrane that seals a pressure chamber in a pressure-tight way and is moved to and fro by a piston rod.

21. (Previously presented) Therapeutic aerosol device according to claim 20, wherein the pressure chamber comprises a connecting piece for the connection of a hose line which is connected to the pressure connection device in the nebuliser device.

22. (Previously presented) Therapeutic aerosol device according to claim 1, wherein a sensor device to determine the main aerosol flow or the pressure fluctuations is provided on the flow resistance device.

23. (Previously presented) Therapeutic aerosol device according to claim 22, wherein an evaluation device and a display device are connected to the sensor device to indicate to the patient whether the main aerosol flow or the pressure fluctuations are sufficiently within the area of the flow resistance device.

24. (Previously presented) Therapeutic aerosol device according to claim 22, wherein the sensor device comprises a movable display element which is arranged in a display section of the sensor device and is moved by the main aerosol flow or the pressure fluctuations.

25. (Previously presented) Therapeutic aerosol device according to claim 1 for the application of one or more of the following substances:

substances with an anti-inflammatory action, for example: betamethasone, beclomethasone, budesonide, ciclesonide, dexamethasone, desoxymethasone, fluoconolone acetonide, flucinonide, flunisolide, fluticasone, icomethasone, rofleponide, triamcinolone acetonide, fluocortin butyl, hydrocortisone aceponate, hydrocortisone buteprate buteprate, hydroxycortisone-17-butyrate, prednicarbate, 6-methylprednisolone aceponate, mometasone furoate, elastane-, prostaglandin-, leukotriene-, bradykinin- antagonists, non-steroidal anti-inflammatory drugs (NSAIDs) and/or

anti-infective agents, for example: antibiotics with or without beta-lactamase inhibitors, for example clavunalic acid, sulbactam, tazobactam, etc. from the class of

penicillins, for example: benzylpenicillins (penicillin-G-sodium, clemizone penicillin, benzathine penicillin G); phenoxypenicillins (penicillin V, propicillin); aminobenzylpenicillins (ampicillin, amoxycillin, bacampicillin), acylaminopenicillins (azlocillin, mezlocillin, piperacillin, apalcillin), carboxypenicillins (carbenicillin, ticarcillin, temocillin), isoxazolyl penicillins (oxacillin, cloxacillin, dicloxacillin, flucloxacillin), amiidine penicillin (mecillinam), cefalosporins, for example: cefazolins (cefazolin, cefazedone); cefuroximes (cerufoxim, cefamdole, cefotiam); cefoxitins (cefoxitin, cefotetan, latamoxef, flomoxef); cefotaximes (cefotaxime, ceftriaxone, ceftizoxime, cefmenoxime); ceftazidimes (ceftadzidime, cefpirome, cefepime); cefalexins (cefalexin, cefaclor, cefadroxil, cefradine, loracarbef, cefprozil); cefiximes (cefixime, cefpodoxim proxetile, cefuroxime axetil, cefetamet pivoxil, cefotiam hexetil),cabapenems and combinations, for example imipenem ± cilastin, meropenem, biapenem monobactams (aztreonam), the above antibiotics and/or

aminoglycosides, for example: gentamicin, amikacin, isepamicin, arbekacin, tobramycin, netilmicin, spectinomycin, neomycin, paromoycin, kanamycin, and/or

macrolides, for example: erythromycin, clarythromycin, roxithromycin, azithromycin, dithromycin, josamycin, spiramycin, and/or

gyrase inhibitors, for example: ciprofloxacin, gatifloxacin, norfloxacin, ofloxacin, levofloxacin, perfloxacin, lomefloxacin, fleroxacin, clinafloxacin, sitafloxacin, gemifloxacin, balofloxacin, trovafloxacin, moxifloxacin, and/or

antibiotics of other classes, for example: tetracyclines (doxycycline, minocycline), glycopeptides (vancomycin, teicoplanin, peptide 4), polymyxins (polymyxin B, colistin), tithromycin, lincomycin, clindamycin, oxazolindiones (linzezolids), chloramphenicol, fosfomycin, rifampicin, isoniazid, cycloserine, terizidone, ansamycin pentamidine, and/or

sulfonamides and combinations, for example: sulfadiazine, sulfamethoxazole, sulfalene, co-trimoxazole, co-trimetrol, co-trimoxazine, co-tetraxazine, and/or

nitroimidazoles and nitrofurans, for example, metronidazole, tinidazole, ornidazole, nitrofurantoin, nitrofuranzone, and/or

antimycotics, for example: azole derivatives (clotrimazole, oxiconazole, miconazole, ketoconazole, itraconazole, fluconazole); polyene antibiotics (amphotericin B, natamycin, nystatin, flucocytosine, and/or

virustatics, for example: podophyllotoxin, vidarabine, tromantadine, zidovudine, proteinase inhibitors, alone or also in combination with:

extracts or ingredients of plants, for example: camomile, hamamelis, echiancea and calendula extract, essential oils (eucalyptus oil, camomile oil, pine needle oil, spruce needle oil, peppermint oil, thyme oil, rosemary oil), bisabol oil, cineole, myrtol, thymol, menthol, camphor and/or

wound treatment agents and anti-oxidants, for example: dexpanthenol, iodine povidone, tannin, bismuth salts, allantoin, zinc compounds, vitamins and trace elements, cod liver oil extract, tocopherols, glutathione, ascorbic acid, and/or

antiseptics: acridine derivatives, benzoates, rivanol, chlorhexetidine, quarternary ammonium compounds, cetrimides, biphenylol, clorofene, octenidine, and/or

mucolytics, for example: acetylcysteine, carbocysteine, ambroxol, bromhexine, tyloxapol, recombined surfactant proteins, DNase and/or

substances to reduce swelling of the mucous membrane, for example: phenylephrine, naphazoline, tramazoline, tetryzoline, oxymetazoline, fenoxazoline, xylometazoline, epinephrine, isoprenaline, hexoprenaline, ephedrine, anti-allergic agents (DSCG), heparin, heparinoids, and/or

local anaesthetics, for example: tetracaine, procaine, lidocaine.

26. (Currently amended) Therapeutic aerosol device according to claim 25, wherein application by means of a therapeutic aerosol device in accordance with claim 1 takes place in such a way that aerosol droplets with a diameter of less than 10 μm ~~and preferably approximately 2 to 5 μm~~ are generated.

27. (Previously presented) Therapeutic aerosol device according to claim 25, wherein at least one of the substances is used as a liposome, suspension or emulsion in the micrometer

range preferably in the nanometer range with a geometric diameter of less than approximately 1 μm.

28. (Previously presented) Therapeutic aerosol device according to claim 1, integrated into a handheld device.

29. (New) Therapeutic aerosol device according to claim 1, wherein the supply device comprises an air supply device which supplies air.

30. (New) Therapeutic aerosol device according to claim 1, wherein the supply device comprises a compressed air supply device which supplies compressed air.

31. (New) Therapeutic aerosol device according to claim 4, wherein the truncated cone has an aperture angle α in a range of from 10° to 40°.

32. (New) Therapeutic aerosol device according to claim 14, wherein the truncated cone has an aperture angle α in a range of from 10° to 40°.

33. (New) Therapeutic aerosol device according to claim 19, wherein the frequency of the pressure fluctuations lies within the range from 15 to 55 Hz.

34. (New) Therapeutic aerosol device according to claim 26, wherein aerosol droplets with a diameter of approximately 2 to 5 μm are generated.